

The Development of Liberal Arts and Sciences

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Technological Singularity

[2]

[illegible][illegible]

Leukotomy [3]

In Math We Trust—Technological Singularity—AlphaGo Zero —superhuman ———“———
———”——— [4]———

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[8]

Ibn al-Haytham

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20

leukotomy

Universal approximation theorem

Technological Singularity

1. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

2. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

3. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Wind Tunnel approach is a method for testing the aerodynamic properties of an aircraft.

4. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

5. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. 737Max is a commercial jet airplane.

6. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. SAE level 5 is a level of automation. SAE level 4 is a level of automation. SAE level 4 is a level of automation.

7. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Deep Blue is a computer program that can play the board game chess. Demis Hassabis is a British computer scientist. Nature is a scientific journal. Superhuman is a term used to describe a level of performance that is beyond human. generic is a term used to describe a level of performance that is beyond human. human is a term used to describe a level of performance that is beyond human.

8. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. 19x19 is a board game. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

9. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Deep Blue is a computer program that can play the board game chess. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

10. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Deep Blue is a computer program that can play the board game chess. Nature is a scientific journal. Superhuman is a term used to describe a level of performance that is beyond human. generic is a term used to describe a level of performance that is beyond human. human is a term used to describe a level of performance that is beyond human.

11. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

12. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Occam's Razor is a principle of philosophy.

13. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games. Occam's Razor is a principle of philosophy. Occam's Razor is a principle of philosophy. Occam's Razor is a principle of philosophy.

14. The Turing Test is a test of a machine's ability to exhibit intelligent behavior that is indistinguishable from that of a human. AlphaGo Zero is a program that can play the board game Go at a superhuman level. It was trained on a dataset of Go games.

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The Selfish Gene (or The Immortal Gene) [31]

[illegible]

Gu Test A Progressive Measurement Of Generic Artificial Intelligence

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[illegible][illegible]

スマートフォンが普及するにつれて、

スマートフォンの利用が急増していることが、

スマートフォンが普及するにつれて、[34]スマートフォンが普及するにつれて、
スマートフォンが普及するにつれて、[35]

スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、
スマートフォンが普及するにつれて、[36]

スマートフォンが普及するにつれて、

スマートフォンが普及するにつれて、70%スマートフォンが普及するにつれて、10%
スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、

スマートフォンが普及するにつれて、

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スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、
スマートフォンが普及するにつれて、[37]

スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、
スマートフォンが普及するにつれて、

スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、
スマートフォンが普及するにつれて、

スマートフォン

8090 年頃に、スマートフォンが普及するにつれて、PC [38] Internet
smartphone が普及するにつれて、スマートフォンが普及するにつれて、

iPhone が普及するにつれて、smartphone が普及するにつれて、mainframe PC
スマートフォンが普及するにつれて、smartphone が普及するにつれて、

CPU が普及するにつれて、operating system (OS) が普及するにつれて、
スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、PC Internet
smartphone が普及するにつれて、

ARM CPU が普及するにつれて、Linux Android が普及するにつれて、CPU OS
[39]スマートフォンが普及するにつれて、

consolidation が普及するにつれて、smartphone が普及するにつれて、
Consolidation が普及するにつれて、smartphone が普及するにつれて、
スマートフォン

スマートフォンが普及するにつれて、スマートフォンが普及するにつれて、smartphone が普及するにつれて、

Gilded Age A City upon a Hill Forrest
Gump 911

[illegible][illegible][illegible][illegible]

witch-hunt

[illegible]

“我對你太了解了，我知道你不會做這種事。你太聰明、太有原則了。你不會為了錢而犧牲自己的名譽和底線的。”

「personality」の次元は「dimension」で表すことができる [45]

[46] のように

「人格」の次元は「dimension」で表すことができる

[47] のように「人格」の次元は「dimension」で表すことができる [49] のように

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる 1/5 の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる [50]

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

Technological Singularity の次元は「dimension」で表すことができる
Technological Singularity の AlphaGo Zero の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

「人格」の次元は「dimension」で表すことができる

[2] [\[1\]](#)

[3] 

[illegible][illegible]

[4] 中国象棋的棋盘是长方形的，由 9 条横线和 10 条竖线组成。棋盘上共有 90 个交叉点，其中左右两侧各有 5 个“象眼”，中间有 6 个“将眼”。中国象棋的棋子共有 32 枚，分为红黑两色，每种颜色有 16 枚。红方有帅、士、象、马、车、炮、兵各 7 枚；黑方有将、士、象、马、车、炮、卒各 7 枚。

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Technological Singularity

[5] [REDACTED]
[REDACTED]
[REDACTED]

[illegible]

[6] [guideline](#) [judgement](#)

[7] [REDACTED]

[REDACTED]

[REDACTED]

“ ”

[8] John Philoponus, *Commentary on Aristotle's Physics*, 1966, pp. 100–101.

Ibn al-Haytham

[9] [architect](#) [architect](#) [methodology](#)

[10] <https://doi.org/10.1007/978-1-4939-9836-7>

[illegible]

[11] personality

[illegible][illegible]

personality personality

physical sciences

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[12] ##### 1630
#####
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[illegible]

[13] [https://www.irs.gov/efile/efile-1041-essentials](#)
[https://www.irs.gov/efile/efile-1041-essentials](#)

1687

[14]

[15] Gödel's theorems suggest metaphysics from humans may not work. I do not cross the boundary between religion and science.

Je pense, donc je suis

[illegible]

[16] [20 *insights*](#)

[illegible]

[17] Ferdinand Karl Schweikart
 1800–1867

[18]

[19] □□□□□□□□□□□□□□□□

[illegible][illegible]

[illegible][illegible][illegible]

[20] □□□

[21] [Filippo Marinetti - Manifesto del Futurismo](#)

Technological Singularity
Nature AlphaGo Zero superhuman

go rogue go
rogue

[illegible]

[22] <https://www.irs.gov/efile/efile-1041-ssn-requirements> 1917 11/11/2020
<https://www.irs.gov/efile/efile-1041-ssn-requirements>

[illegible]

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1917

1917

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Technological Singularity

[24] □□□□□□□□□□□□□□□□□□□□

[illegible][illegible][illegible]

leukotomy

BRAIN Initiative

[26]

ARBEIT MACHT FREI

[27] The Guardian a meta-solution to any problem AGI

"Demis Hassabis ... is deadly serious when he tells me he is on a mission to 'solve intelligence, and then use that to solve everything else'.

.....

'One way of thinking of AGI is as a process that will automatically convert unstructured information into actionable knowledge. What we're working on is potentially a meta-solution to any problem.'",

from <https://www.theguardian.com/technology/2016/feb/16/demis-hassabis-artificial-intelligence-deepmind-alphago>

[28] AlphaGo Zero AlphaGo Zero AlphaGo Zero AlphaGo Master AlphaGo Zero AlphaGo Master

AlphaGo Master

737 Max

"'In thousands of tests, nothing like this had ever happened,' he said.", Boeing Built Deadly Assumptions Into 737 Max, Blind to a Late Design Change, <https://www.nytimes.com/2019/06/01/business/boeing-737-max-crash.html>.

[29] Deep Blue

[30]

[illegible][illegible][illegible]

[31] The Selfish Gene (or The Immortal Gene) □□□□□□□□□□□□□□□□□□□□□□
 □□□□□□: to be "a leader to the Greeks and a despot to the barbarians, to look after
 the former as after friends and relatives, and to deal with the latter as with beasts
 or plants"□□□□□□□□□□□□□□□□□□

[32] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[33] [\[33\]](#)

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go rogue vandalist
1204

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[illegible]

Socratic method

AlphaGo Zero Nature AlphaGo Zero
superhuman performance

`000000Jack 000000000000Ralph 0000000000000000000000000000Ralph 00000`
`0000 leader000000000 Piggy 0000000000000000Ralph 0000000000000000000`
`Simon 0000000000000000`

The Development of Liberal Arts and Sciences

[34] [https://www.irs.gov/efile/efile-1041-1041e-1041ez-1041ez-e/](#) 1970 [https://www.irs.gov/efile/efile-1041-1041e-1041ez-1041ez-e/](#)
[https://www.irs.gov/efile/efile-1041-1041e-1041ez-1041ez-e/](#)
[https://www.irs.gov/efile/efile-1041-1041e-1041ez-1041ez-e/](#)

[illegible]

[35] <https://www.braintrust.org/> BRAIN Initiative <https://www.nasa.gov/mission/moonshot/> Moonshot

[illegible]

[36] □□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible][illegible][illegible][illegible]

[37] [REDACTED]
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[illegible][illegible]

Technogical Singularity

□ □

[38] Intel, “Intel® Core™ i7-10700K Processor,” 2020. <https://www.intel.com/content/www/us/en/products/specs/core/i7-10700k.html>.
CPU, OS, and other system information.

CPU OS 1980

[illegible]

[39] 目前 smartphone 的 CPU 几乎都是 Intel 或者是 ARM 架构的 ARM 架构的处理器几乎都是
都是 Intel 或者是 Google 的 Android OS 都是 open source 的 CPU 和 OS 都是
都是

都是 Linux Torvalds 开发的 Linux 都是 Google 的 Android 都是
都是 Microsoft 的 Apple 的 smartphone 都是 Google 的
Google 的 CPU 和 OS 都是 ARM 的 Google 的 CPU 和 OS
都是 smartphone 都是

都是 smartphone 都是

[40] 都是 program music 都是 program music “” 都是
都是
都是

都是

[41] 都是

[42] 都是 2019 都是 “” 都是 “”
都是 <https://www.chinesepen.org/blog/archives/121899> 都是

都是 “” 都是 “” 都是

的 The Selfish Gene 都是 “” 都是 The
Selfish Gene 都是 The Selfish Gene 都是

“” 都是

都是

[43] "On 28 July, after reading Serbia's reply, Wilhelm commented, 'But that eliminates any reason for war' or 'every cause for war falls to the ground'.....Wilhelm's sudden change of mind about war enraged Bethmann Hollweg, the military, and the diplomatic service, who proceeded to sabotage Wilhelm's offer.", from https://en.wikipedia.org/wiki/July_Crisis.

都是 Wilhelm 都是

都是 Wilhelm 都是

都是

[50] □□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible][illegible][illegible]

[51]

“ ”
“ ”
 ”

crowded

[illegible][illegible][illegible][illegible]

[52] Leukotomy [moniz] leukotomy [moniz]
[Leukotomy] [Leukotomy] leukotomy
leukotomy Moniz leukotomy
<https://www.nobelprize.org/prizes/medicine/1949/moniz/article/>, First published 29 October 1998

Moniz performed leukotomy "for his discovery of the therapeutic value of leucotomy in certain psychoses." Leukotomy Leukotomy <https://www.nobelprize.org/prizes/medicine/1949/moniz/biographical/>

leucotomy

[53] "Second US town pays up to ransomware hackers", <https://www.bbc.com/news/technology-48770128>□

[illegible]